

# Lily Avetis Kalashian

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## Research Institute of Biology

Genomic Instability and Molecular Mutagenesis Group  
Junior Researcher

## Education

Institution	Yerevan State University
Faculty	Faculty of Biology
Date	2022 - 2024
Degree name	Masters

## Language skills

Հայերեն Русский English

## Work experience

Institution	Research Institute of Biology, Group of genomic instability and molecular mutagenesis
Period of time	2025 till now
Rank/degree	Junior researcher

Institution	Research Institute of Biology
Period of time	2023 - 2024
Rank/degree	laboratory assistant

## Publications

Article

### Knockdown of histone H1-5 gene affects the sensitivity of MRC-5 and HeLa cells to DNA damaging agents

Tigran Harutyunyan, Anzhela Sargsyan, Gohar Tadevosyan, Lily Kalashyan, Rouben Aroutiounian,

Galina Hovhannisyan

Human Gene 2025 1-9

Article

### Changes in Telomere Length in Leukocytes and Leukemic Cells after Ultrashort Electron Beam Radiation

Tigran Harutyunyan, Anzhela Sargsyan, Lily Kalashyan, Hovhannes Igityan, Bagrat Grigoryan,

Hakob Davtyan, Rouben Aroutiounian, Thomas Liehr, Galina Hovhannisyan

International Journal of Molecular Sciences 2024 6709

*Article*

**CELL-FREE MITOCHONDRIAL DNA IN DOXORUBICIN-TREATED KCL22 AND K562 CELL LINES**

Tigran A. Harutyunyan, Anzhela A. Sargsyan, Lily A. Kalashyan, Hovhannes A. Igityan,

Rouben M. Aroutiounian, Galina G. Hovhannisyan

Proceedings of the YSU B: Chemical and Biological Sciences 2024 9-16

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*Article*

**DNA Damage in Moderate and Severe COVID-19 Cases: Relation to Demographic, Clinical, and Laboratory Parameters**

Tigran Harutyunyan, Anzhela Sargsyan, Lily Kalashyan, Naira Stepanyan, Rouben Aroutiounian,

Thomas Liehr, Galina Hovhannisyan

International Journal of Molecular Sciences 2024 10293

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*Conference*

**Telomere Lengths of Human Chromosomes as Potential Biomarkers of Genomic Instability Induced by Electron Beam Radiation**

L.A. Kalashyan, A.A. Sargsyan, B.A. Grigoryan, H.D. Davtyan, R.M. Aroutiounian, T. Liehr,

G.G. Hovhannisyan, T.A. Harutyunyan

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*Conference*

**8-OHdG Elevation in Hypoxic COVID-19: A Potential Link to Inflammation and Disease Severity**

Tigran Harutyunyan, Gohar Tadevosyan, Anzhela Sargsyan, Lily Kalashyan, Naira Stepanyan,

Rouben Aroutiounian, Galina Hovhannisyan

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*Conference*

**Leukocyte Telomere Length Changes in Hypoxic COVID-19 patients**

Tigran Harutyunyan, Anzhela Sargsyan, Lily Kalashyan, Naira Stepanyan, Thomas Liehr,

Rouben Aroutiounian, Galina Hovhannisyan

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*Conference*

**Micronuclei levels in doxorubicin- and mitomycin C-treated MRC-5 and HeLa cells with knockdown of the histone H1-5 gene**

T. Harutyunyan, A. Sargsyan, G. Tadevosyan, L. Kalashyan, R. Aroutiounian, G. Hovhannisyan

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